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To: [Whitcomb, James H CIV NAVFAC SW](#)
Cc: [Hawkins, Amy L CIV NAVFAC ESC, EV](#); [Picel, Kurt C](#); [Williamson, Travis](#)
Subject: HPS Radiological Data Request
Date: Monday, January 24, 2011 2:03:40 PM

Jim,

To support analyses discussed with the Navy regarding optimizing Low Level Radioactive Waste disposal at Hunters Point Shipyard, we would like to obtain the following datasets from TetraTech, if possible:

1) Background Data Sets. It is our understanding that the Navy has collected one or more sets of samples from areas considered to be representative of radiological background soil conditions at the HPS site. We would like to review these data sets. We would prefer the laboratory data in Excel spreadsheet format, along with any contextual information regarding data collection/lab analytical protocols (e.g., how many soil samples from each background area referenced, how were the samples collected, to what depth, analytical methods used, etc.). It would also be of potential value if the general reference area sampling locations were marked on a map.

2) On-Site Laboratory Results. We would like sample analytical data from two different sets of soil pads. The first set should include several pads (minimum three, more would be nice) where no action was taken and the consensus was that the soils likely reflected background conditions. We would prefer the data in Excel spreadsheet format, with some obvious tie of analytical results to sample i.d.s, and sample i.d.s to pad identifiers. The second set should include several pads (minimum three, more would be nice) where an action was taken in response to gamma survey/sample results. For each pad in this set it would help to have maps/diagrams that showed the extent of soil removal as well as the location of soil samples with identifiers linked to analytical results. Also, if it is not clear from sample identifier nomenclature, it would be helpful to know the sequence of sampling. Note that it would be best if the mapping information were provided in an ESRI format such as shape files, but we can live with pdf files or some other strictly graphical format.

3) Gamma Survey Results. We would like gamma survey results for the pads described above. We would prefer these data in spreadsheet format, with a northing, easting, and cps or cpm value for each data record, and something that clearly indicates to which pad the data pertain.

4) Waste Profile Results. We would like the waste profile sample results for the cans resulting from the pads where excavation was required, along with something that clearly indicates to which pad a can's results apply.

5) Off-Site Laboratory Results. We would like sample split results if available, that would allow a comparison of on-site laboratory results with off-site laboratory results for Ra-226. Any additional radionuclides analyzed by the off-site laboratory would be of interest as well. The preferred format would be an Excel spreadsheet.

I wasn't sure who the appropriate TetraTech POC would be, so there is no one copied from TetraTech.

Thanks!

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